

F16.2

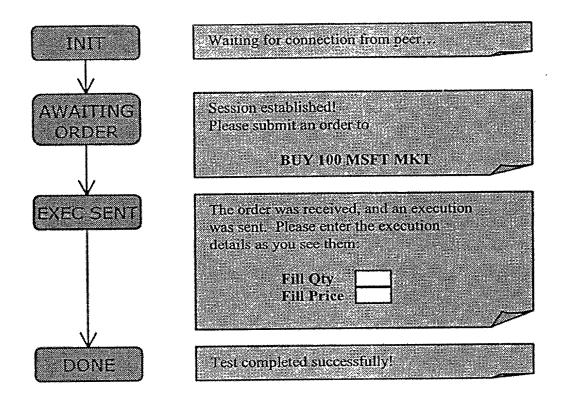
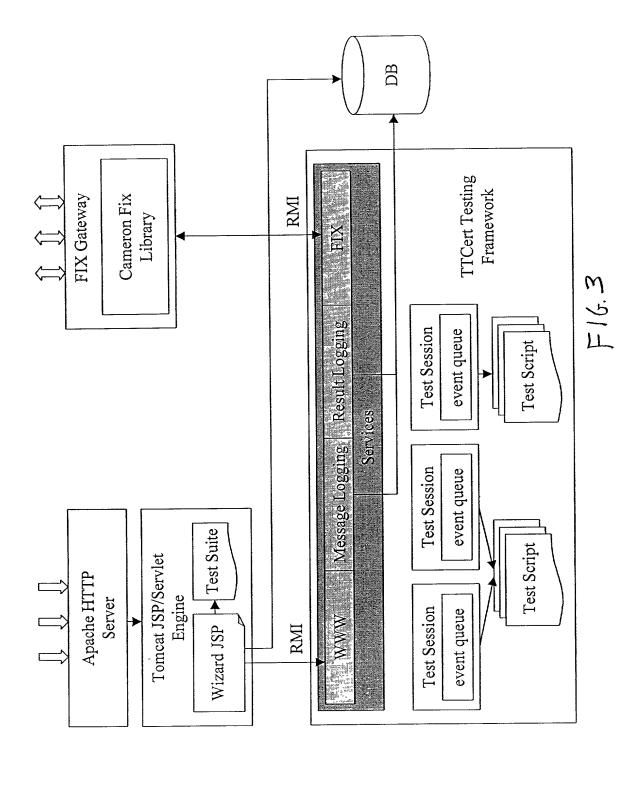
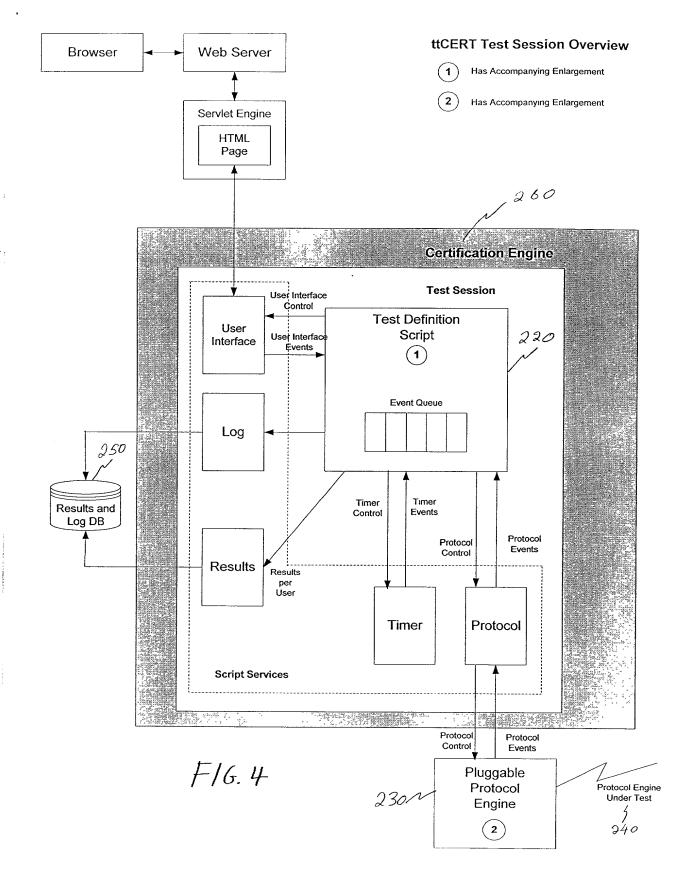
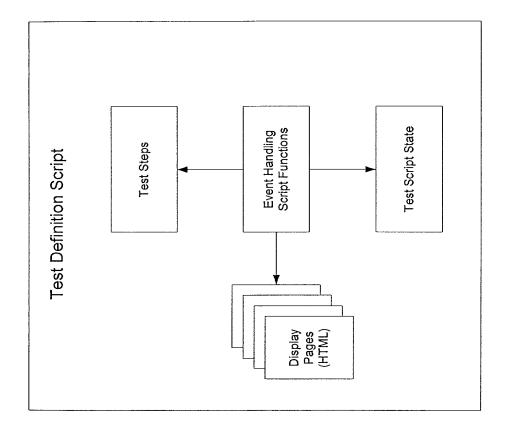


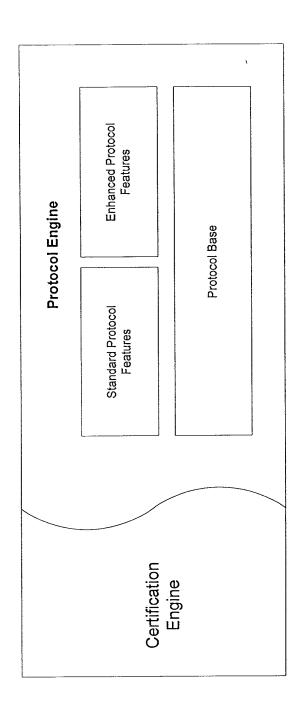
FIG. 2A



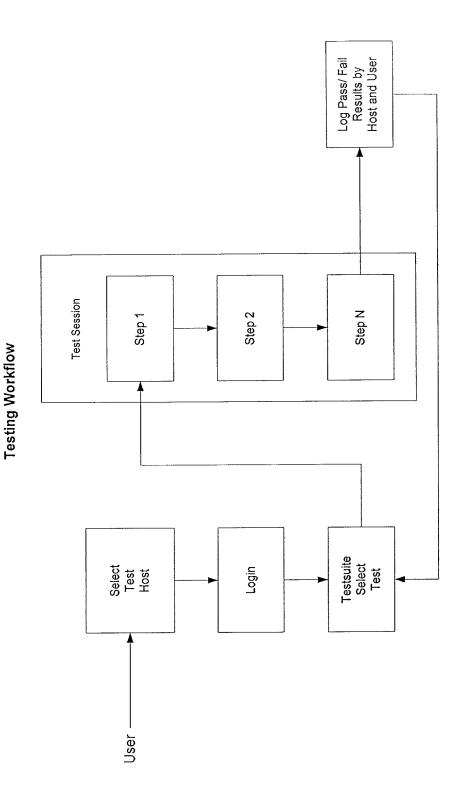




F16.5



F16,6



F16,7

Seo 870	dmin i Profile i Discussion (Help i Logour	Welcons, Transactions, Inc.	The list at left reflects your current certification testing, status. Click on any of the incomplete tests to begin.	For assistance, please consult the discussion boards, or contest, us at subortforcemis Ariet.	77.7				inte						
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	COUNTY SAME TO LESS THE SAME IN THE SAME I	Preferences 5	* Set Preferences Manage preferences for running the OpenFIX tests View Logs [Required] passed \$20 \$30 FIX Session-Level Test Cases	* 1. Initiate or Accept Logon View Loas [Required] passed	* 4 Send Heartbeat Message View Logs [Required] failed	* 5. Receive Heartbeat Message View Logs [Required] Not Tested	* <u>6. Send Test Reguest</u> <u>View Logs</u> [Required] Not Tested	* Z. Receive Reject Message View Logs [Required] Not Tested	* 8 Receive Resend Request Message View Logs (Required) Not Tested	* 9. Synchronize Sequence Numbers	* 11. Receive Sequence Reset (Reset)	* 12. Inttate Logout Process View Logs [Required] Not Tested	* 13 Receive Logout Message View Logs [Required] Not Tested	* 18. Support Third-Party Addressing View Logs Not Tested	* 19. Test PossResend Handling View Logs Not Tested

2 and 3. Receive Message Standard Header and Trailer

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Licenses

Issue/Limit Licenses

F/6. 9

Active Certification Sessions (as of 14:21:40) [Refresh]

demo

TransactTools, Inc. () [Logout]

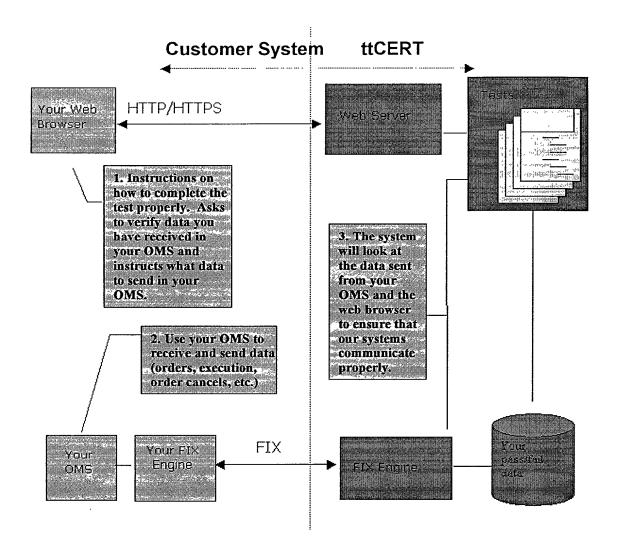
Web Session
Status:
Login Time:
Last Activity Time:
Thu May 17 14;20;35 EDT 2001
Thu May 17 14;21;40 EDT 2001
Thu May 17 14;21;40 EDT 2001
Time Inactive:
Last Request:
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F/6.10

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EXTENSION CONTRACTOR Service	Current directory:	Upload Scripts	 Subdirectories	Directory Name $\frac{\cot \Theta}{\cot \Theta}$	Make Directory	Files	File Name	1.xml	10.xml	11.xm	12.xml	13.xm	14a.xml	14b.xm[14c.xml	14d.xml	14e.xml	141,XM	14a.xm	14h.xm	141.xm	141.xm	14k xml	14 xm	14m.zml	18.xml	19 ×ml

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FIG. 12



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Cach Zinneter Transactools, Inc. View Log I Abort Discussion) Heid Logout	Help	Effer and send application to the test server. The test server will verify that the order is sent successfully and contains correct information.	
PS(UCITION) S Coppiex faith as fines	Send an Order	Sell 1500 AOL at a limit price of 40 Waiting for order YHO	
	Steps	Connect to Server Submit Drder Verify Order Act Verify Order Act Verify In Test Compliate	refresh 🗛 🖁

F16. 14

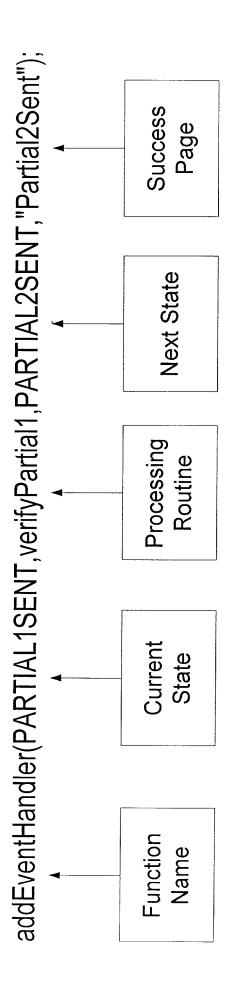
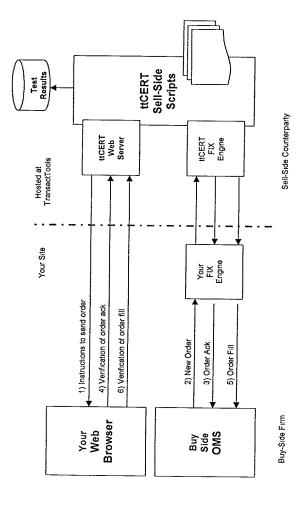


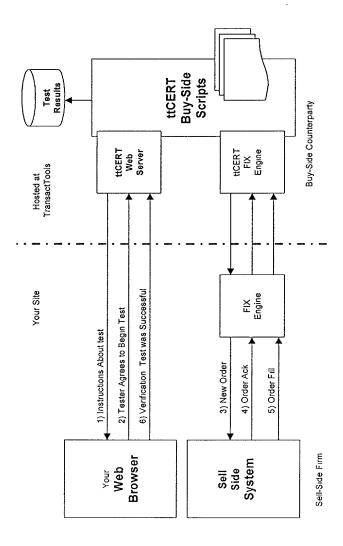
FIG. 15

F/6. 16



Buy-Side Firm testing against a Sell-Side Counterparty that has used the ttCERT scripts to simulate its FIX behavior

FIG. 17



Sell-Side Firm testing against a Buy-Side Counterparty that has used the ttCERT scripts to simulate its FIX behavior

FIG. 1

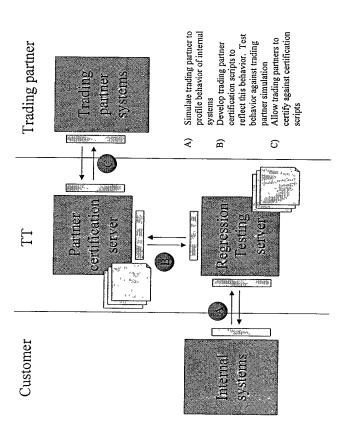
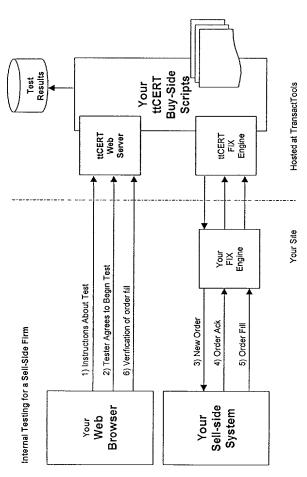


FIG. 1



As a sell-side firm, you write the buy-side scripts that run on the ttCERT server to simulate external buy-side customers

FIG. 2

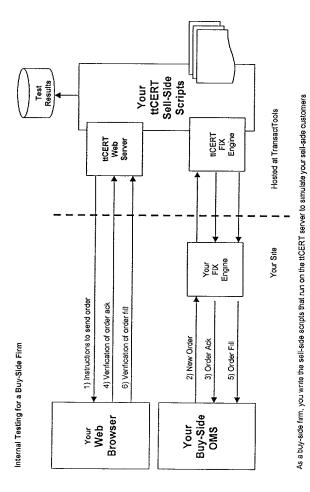


FIG. 2

>

Hosted at TransactTools Pass/Fail Log Data Writes to Test Results Log Internal Testing of Automated Scripts - Running Buy-Side Scripts Against Sell-Side Scripts Your Site ttCERT
Test Session
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Scripts View Logs ttCERT Sell-Side FIX Engine Your Web Browser (Sell-Side Window) 1)instructions For Test 2) New Order 3) Order Ack 4) Order Fill ttCERT Web Server Your Web Browser (Buy-Side Window) ttCERT Buy-Side F1X Engine 1) instructions

For Test ttCERT
Test Session
Your
Buy-Side
Scripts View Logs Writes to Test Results Log Pass/Fail Log Data

FIG. 22

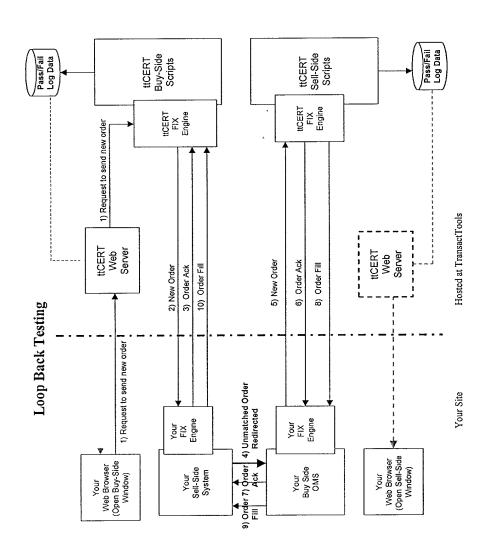


FIG. 23